Super VGA

TGUI9680

-for PCI Bus

High Performance 64 Bit TGUI9680 Video Accelerator

User's Manual

Ver 1.01

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Trident TGUI Software Installation

The Trident TGUI is 100% VGA compatible and as such needs no special display drivers to run application software correctly at standard VGA resolutions and color depths. However, enhanced display drivers are supplied with the Trident TGUI because they provide accelerated performance, deeper color depths and higher resolutions to supported software application packages. The Trident TGUI supports resolutions as high as 1600 x 1200 pixels, and color depths of up to 32 bits per pixel. Higher graphics resolutions and deeper color depths provide greater clarity and detail when using the supplied drivers in graphics-based programs. When configuring your software to work with the board, it may help to bear in mind that drivers compatible with the Trident TGUI fall into three general categories:

❒ **Enhanced Display Drivers** - At this time, enhanced display drivers for the Trident TGUI are provided for Microsoft Windows 3.1x, Windows 95, Windows NT 3.5, OS/2 Warp, and Autodesk products such as 3D Studio and AutoCAD. These drivers take full advantage of the Trident TGUI's advanced architecture and provide many additional features. Note that drivers for the Trident TGUI are revised and added periodically - you should consult your dealer, local user support groups or on-line services from time to time to ensure you have the latest driver releases.

❒ **VESA Drivers** - The Trident TGUI features full and transparent support for a wide range of VESA generic display modes, which makes it compatible with the growing number of DOS applications and environments that provide a VESA-compliant driver, such as DESQview/X, Autodesk Animator and Geoworks Ensemble. These generic VESA drivers can typically drive your application to higher resolutions and deeper color depths, but because they are written to interact with a wide range of graphics controllers from disparate manufacturers, they may not call all the Trident TGUI's hardware acceleration features into play.

❒ **Standard VGA Drivers** - Finally, the Trident TGUI is fully compatible at both the register and BIOS level with the original IBM VGA display adapter. In addition, the Trident TGUI provides register-level CGA and EGA backwards compatibility, allowing you to run virtually any application in its native, default display mode. The Trident TGUI also supports improved text resolutions of up to 132 x 43 columns and rows, and can usually support the special text drivers supplied with a number of popular DOS applications. Higher text resolutions allow terminal emulation and provide greater clarity and readability when using these special drivers.

Installation

To facilitate the smooth installation of the enhanced display device drivers and utility software, you should read the instructions in this chapter carefully prior to attempting installation. The enhanced display drivers for the Trident TGUI are located on two software installation diskettes. You must install most of the drivers and utility software by using the supplied SETUP program under DOS; Microsoft

Windows 3.1 drivers are installed by using the Windows-based WINSETUP program.

🗁 Files on the software installation diskettes are compressed. Do not attempt to install drivers by copying the files manually. You must use the supplied SETUP and WINSETUP programs to install the drivers (except in the cases of Windows NT and Windows 95 which can read the compressed files on the software installation diskette directly).

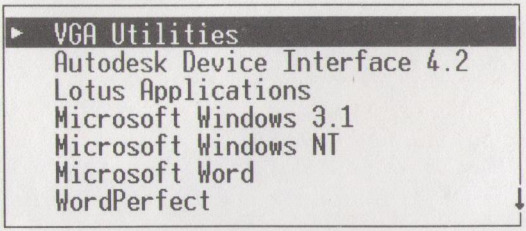
Before you begin, it is important to note that most display drivers need to have the relevant software application already installed prior to installing the enhanced display drivers. In addition, many of the installation procedures assume that you are familiar with both the relevant software application and certain operating system commands. Please review the relevant operating system commands and the pertinent sections of your application software's user manual before performing the installation.

To install the enhanced display drivers and utilities, follow these steps:

1. If you have not already done so, make a backup copy of the software installation diskette and store the original in safe place. Refer to your operating system manual for details on how to duplicate a diskette. You should use the backup copy you have made for all subsequent steps. (Alternatively, you can copy all the files on the software installation diskette to your hard disk and install the drivers from there - the steps which follow assume you are installing from a diskette. The distribution diskette is not copy-protected.)

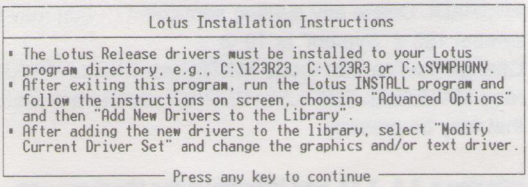
2. Insert the backup copy of the software installation diskette in drive A: or B:.

• **DOS** - If you are installing a DOS application, run the SETUP program from the DOS command line by typing A:SETUP [Enter] (or B:SETUP [Enter] as appropriate). You will be presented with a list of supported software applications similar to the one illustrated below.



•**Microsoft Windows** - If you are installing drivers and utilities for Microsoft Windows 3.1, 3.11 or Windows for Workgroups, run the WINSETUP program from the Windows Program Manager.

3. Scroll through the list of options by using a mouse or the cursor keys until you come to the option you wish to install. Click on the left mouse button or press [Enter] to select the option, or press [F1] to obtain information on the option. Depending on the option you have selected, you may be presented with relevant application notes, similar to the screen illustrated below. Read these additional instructions carefully. (If you have a printer connected to LPT1 and it is on-line, you can print the instructions by pressing [PrtScr].)


Lotus Installation Instructions
• The Lotus Release drivers must be installed to your Lotus program directory, e.g., C:\123R23, C:\123R3 or C:\SYMPHONY.
• After exiting this program, run the Lotus INSTALL program and follow the instructions on screen, choosing "Advanced Options" and then "Add New Drivers to the Library".
• After adding the new drivers to the library, select "Modify Current Driver Set" and change the graphics and/or text driver.
Press any key to continue

4. After reading the application notes (if any), click the left mouse button or press [Enter] to continue with the installation procedure. The SETUP program will search your environment path in an attempt to locate the installed application, and you will be prompted to confirm a directory where the files should be copied (normally the application's directory). You also have the option of entering a drive and directory of your choice. If the directory you choose does not exist, it will be created for you and the relevant files will be copied there or to appropriate sub-directories.

5. Finally, if an application specific setup program or procedure is required in order to configure the software to recognize the new driver(s), and the SETUP program has been able to locate the application specific program, you will be given the option of running the relevant program to configure the application at this time.

6. After the installation procedure has completed, you will be returned to the SETUP program. Select another option for installation as required. To exit SETUP, click on the right mouse button or press [Esc]. You will be prompted for confirmation before returning to the DOS command prompt.

Application Notes

Autodesk ADI

After using SETUP to install the ADI driver for Autodesk products, be sure to run the appropriate batch file to configure your environment so that your Autodesk product can locate the ADI driver. These batch files are created automatically for you when you install the ADI driver from the software installation diskette, and must be run before you load your Autodesk product. A text file named `PANACEA.DOC` is also installed, which you should consult for additional information.

3D Studio

If you plan to use the ADI driver with Autodesk 3D Studio, you must delete the 3DS.CFG file and make the following changes to the 3DS.SET file in your 3D Studio directory:

- Change the line that starts with RENDER-DISPLAY=VGA320X200 to read RENDER-DISPLAY=RCPADI.
- Change the line that reads MAIN-DISPLAY= to read MAINDISPLAY =RCPADI. Delete any leading semicolon (;) that may be present. symbol 183 \f "Symbol" \s 10 \h
- Change the line that reads MATERIAL-DISPLAY=VGA320X200 to read MATERIAL-DISPLAY=RCPADI. Delete any leading semicolon that may be present.

Microsoft Windows 3.1, 3.11 and Windows for Workgroups

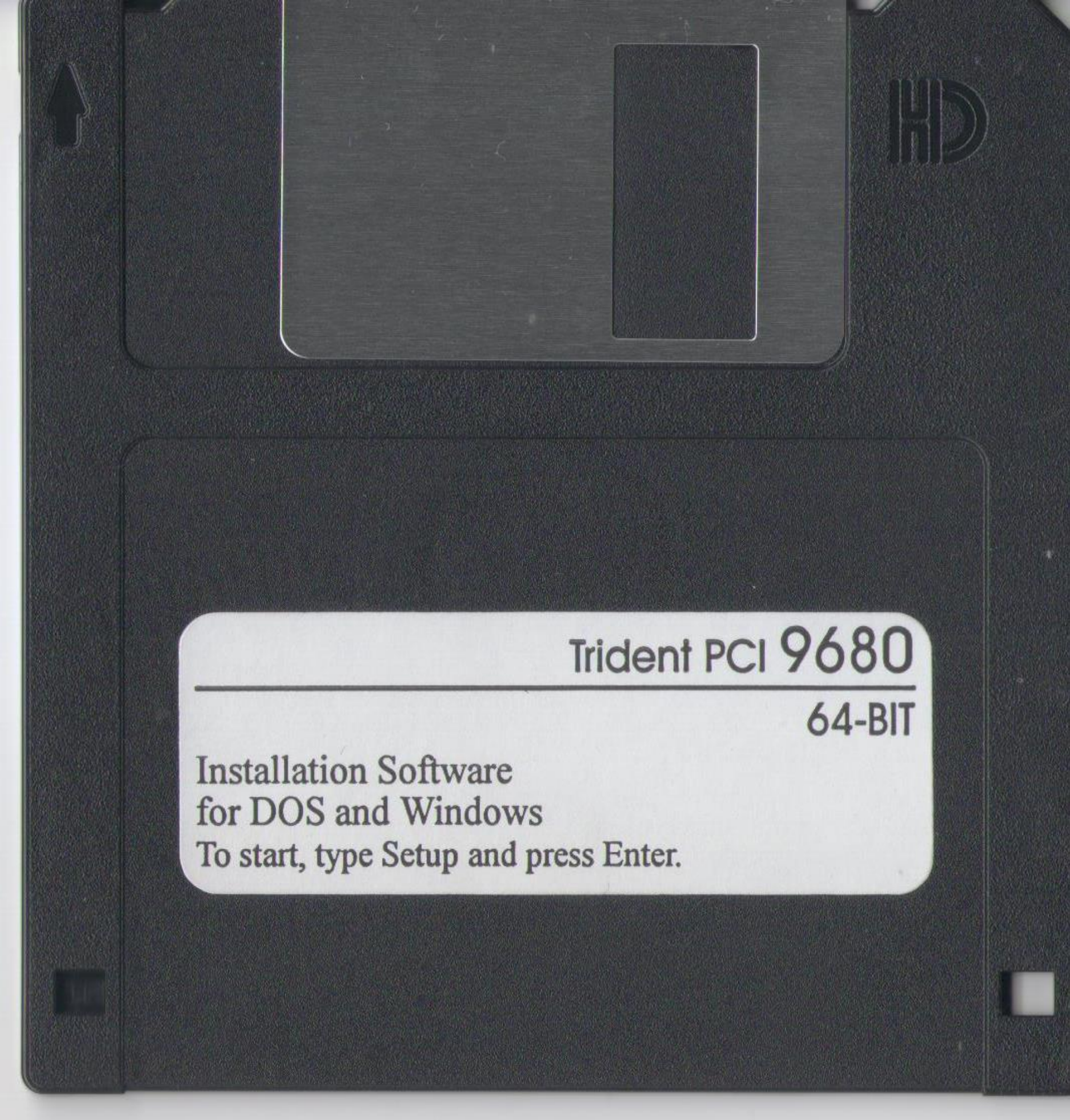
After using WINSETUP to install the enhanced display drivers for Microsoft Windows, you can switch among supported display modes by running the Trident TGUI Screen Control Utilities. If you need to re-select a Trident TGUI display driver using the native Windows Setup program, please note the following: when Windows notifies you that the requested display driver is already present on the system, and asked if you want to use the current driver or install a new one, answer [Current]. If you need to re-install the drivers, run the WINSETUP program on the software installation diskette supplied with the Trident TGUI. The Windows Setup program cannot read the compressed files on the Trident TGUI software installation diskette.

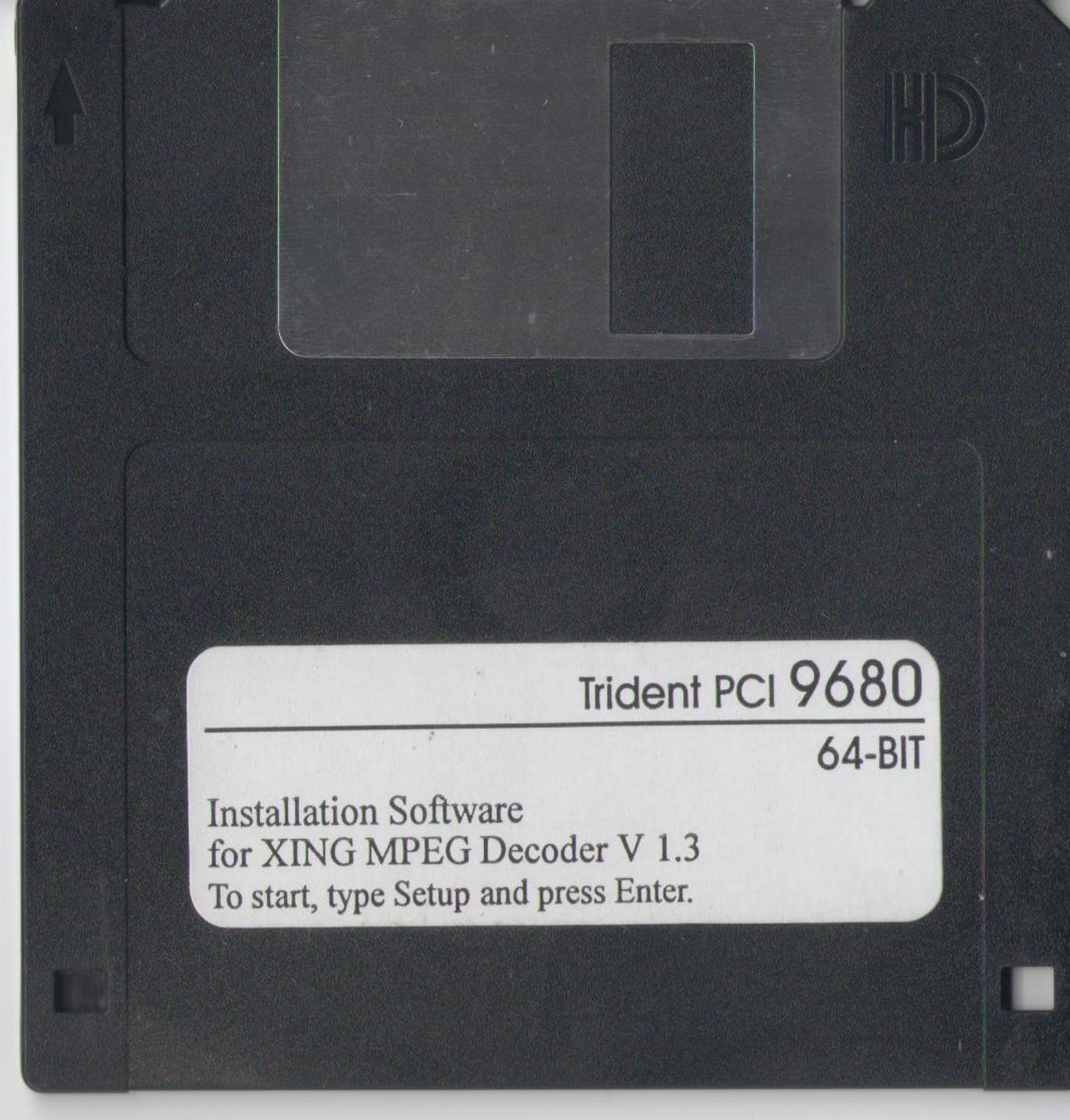
Windows NT 3.5

To install the enhanced display drivers for Windows NT 3.5, you must be running NT and follow Microsoft's standard display driver installation procedure as documented in the NT user manual. From the NT Program Manager, double-click on the NT Control Panel program in the Main program folder. Then select the Display applet in the Control Panel to change the display driver. Select the Trident TGUI driver by entering the drive and directory containing the NT drivers. The Trident TGUI drivers for Windows NT are located in the WINNT35 directory on the driver distribution diskette included with your Trident TGUI card.

Windows 95

To install the Trident TGUI drivers for Windows 95, you must be running Windows 95 and follow these steps. Click the right mouse button anywhere on the Windows 95 desktop and select Properties from the pop-up menu that appears on screen. Select Settings|Change Display Type and then click the [Change] button for Adapter Type. When the Select Device dialog box appears on screen, check the [Have Disk] button and enter the path to the Trident TGUI Windows 95 drivers, following the instructions on screen. The Trident TGUI drivers for Windows 95 are located in the WIN95 directory on the driver distribution diskette included with your Trident TGUI card.


HD
Trident PCI 9680
64-BIT
Installation Software
for DOS and Windows
To start, type Setup and press Enter.


HD
Trident PCI 9680
64-BIT
Installation Software
for XING MPEG Decoder V 1.3
To start, type Setup and press Enter.